Errata

Environmental Sensitivity in New Zealand Dairy Cattle

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It has been brought to our attention that the equation for HLI on page 1540 was presented incorrectly; the corrected equation is presented below. The authors regret the error.

Summer HLI for each HYS was calculated from meteorological data for 1989 to 2002, obtained from 65 stations by the National Institute of Water and Atmospheric Research. Meteorological station data included map reference, daily measures of maximum and minimum temperature, rainfall, average relative humidity, solar radiation, and wind speed. These data were then used to calculate summer HLI (Castaneda et al., 2004) for each year:

$$\text{HLI} = 34.1 + (0.26 \times \text{RH}) + (1.33 \times \text{BGT}) - (0.82 \times \text{WS})^{0.1} - \text{Log}^{[0.4 \times (0.0001 + \text{WS}^2)]}$$

where RH is mean daily relative humidity divided by 100, BGT is black globe temperature (°C), calculated as:

$$(1.33 \times T) - (2.65 \times \sqrt{T}) + [3.21 \times \text{Log}(\text{SR} + 1)] + 3.5$$

where T is air temperature (°C) at 1200 h, SR is solar radiation (MJ/m²), and WS is mean daily wind speed (m/s).

Long-Term Effects of Feeding Monensin on Methane Production in Lactating Dairy Cows

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It has been brought to our attention that 2 values in Table 2 (page 1784) were incorrect. Values for methane production (g/g of NDFI) in the control and monensin-treated TMR were reversed; the value for the control TMR should be 0.066 and that for the monensin-treated TMR should be 0.069. The corrected table is shown below. The authors regret the error.

Table 2. Effects of a control vs. monensin-treated TMR on DMI, milk yield, milk composition, and methane (CH₄) production from lactating dairy cows

Response ¹	TMR		SEM	Time, <i>P</i> -value		
	Control	Monensin		Linear	Quadratic	Cubic
DMI, kg/d	19.7	19.1	0.36	0.24	0.58	0.03
Milk yield, kg/d	26.2	25.9	0.64	<0.01	0.06	0.21
Milk fat, %	3.90 ^a	3.53 ^b	0.098	0.30	0.11	0.99
Milk protein, %	3.37 ^a	3.23 ^b	0.031	<0.01	0.10	0.38
Methane production, g/d	458.7 ^a	428.7 ^b	7.75	0.03	<0.01	<0.01
Methane production, g/kg of BW	0.738 ^a	0.675 ^b	0.0141	0.06	<0.01	<0.01
Methane production, g/g of NDFI ²	0.066	0.069	0.0016	0.48	0.02	<0.01

^{a,b}Means within a row with different superscripts differ (*P* < 0.05).

¹Means of 12 cows per treatment.

²NDFI = neutral detergent fiber intake.